

REMARKS

Claims 1-35 are pending and stand rejected. All pending claims are believed to be allowable over the references cited by the Examiner as discussed below. Accordingly, a Notice of Allowance for the present application is respectfully requested.

Rejections Under 35 U.S.C. §103

Claims 1-35 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Ervin in view of Van Phuoc.

Independent claim 1 recites a delay module that generally includes a signal quality detector, a delay generator configured to generate a delay in response to the signal quality detector detecting an insufficient signal quality, the signal quality detector being further configured to again detect the signal quality between the power supply line and the system component upon expiration of the delay, and a switch configured to selectively close upon the signal quality detector detecting sufficient signal quality. Independent claims 8, 16, 24, 32, and 35 recite a system, a power management apparatus, a power management method, a resource management system, and a resource management method, respectively, with similar elements.

The Examiner contends that Ervin discloses the signal quality detector (citing the overload detector 218 in FIG. 2 and col. 3, line 65- col. 4, line 1) and the delay generator (citing col. 3, lines 41-42).

However, while Ervin does teach delaying powering up of the system until there is sufficient power available to avoid an overload situation, no particular delay is generated and the delay period awaited prior to re-detecting the signal quality. Rather, Ervin employs the power available calculator 208 to continuously check for the available power and then powers up when it is determined that there is sufficient available power to avoid an overload situation.

The Examiner further contends that Van Phuoc discloses detecting the signal quality after expiration of the time interval generated by a delay generator, citing col. 48, lines 55-65.

However, Van Phuoc discloses a battery system that monitors a battery pack and performs capacity calculations at regular intervals based on the monitoring. The system has various modes including normal and sleep modes. In order to conserve power, the system enters the sleep mode when the battery voltage is below a first predetermined voltage and exits the

sleep mode when the battery voltage is above a second predetermined voltage. The voltage of the battery is determined at predefined intervals.

As is evident, neither Ervin nor Van Phuoc discloses a delay generator that is configured to generate a delay in response to the signal quality detector detecting an insufficient signal quality. Ervin simply continually checks the available power until there is sufficient power. Van Phuoc uses a predefined interval to check the battery voltage and as such, no delay is generated each time the signal quality detector detects an insufficient signal quality. As such, the combination of Ervin and Van Phuoc does not disclose each and every element of the claimed invention, namely, the delay generator configured to generate a delay in response to the signal quality detector detecting an insufficient signal quality.

Furthermore, the Examiner cited: (1) conservation of power by checking signal quality at intervals instead of continuous checking and (2) confirmation of signal quality at the end of the time interval instead of automatic powering as motivations to combine Ervin and Van Phuoc.

However, with respect to being motivated by the conservation of power, Ervin is not attempting to conserve the power used in checking of the signal quality as such checking utilizes very little power. Rather, Ervin is attempting to conserve power by not performing the monitoring of the battery pack and not performing capacity calculations (col. 18, line 65- col. 19, line 8). As such, one of ordinary skill in the art would not be motivated to modify Ervin to check the available power supply at predetermined intervals as disclosed by Van Phuoc.

With respect to being motivated by the confirmation of signal quality at the end of the time interval instead of automatic powering, Ervin does confirm that there is sufficient power to power up and does not perform any automatic powering without regard to inadequate available power. Thus, one of ordinary skill in the art would not be motivated to modify Ervin in view of Van Phuoc.

Independent claims 8, 16, 24, 32 and 35 are believed to be allowable for the same or similar reasons as set forth above.

In view of the foregoing, withdrawal of the rejection of independent claims 1-35 under 35 U.S.C. §103(a) is respectfully requested.

CONCLUSION

Applicants believe that all pending claims are allowable and respectfully request a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

In the unlikely event that the transmittal letter accompanying this document is separated from this document and the Patent Office determines that an Extension of Time under 37 CFR 1.136 and/or any other relief is required, Applicant hereby petitions for any required relief including Extensions of Time and/or any other relief and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. **50-1217** (Order No. **GOOGP025**).

Respectfully submitted,



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